

FIG. 1

	130	140	160	170	190	200											
BASBPNGGPSG	-----	SAALKA	AVDKAVAS	-----	TVGYPGKYP	FSS-----VGPE-----LOVMAP											
BSS168GGPTG	-----	STALKT	VOKAVSS	-----	TVGYPAKYP	FSS-----AGSE-----LOVMAP											
BSSDYGGPSG	-----	STALKA	AVDKAYAS	-----	TIGYPAKYD	FSS-----VGAE-----LEVMAP											
BLSCARGGPSG	-----	STAHKA	AVDNAYAR	-----	TIGYPAKYD	FSS-----VGAE-----LEVMAP											
BAPB92GSPSP	-----	SATLEA	AVNSATS	-----	SISYPARYA	FSQ-----YGAG-----LDIVAP											
BYSYABGSSAC	-----	SATMEQ	AVNQATAS	-----	NVGFARYA	FSQ-----YGAG-----LDIVAP											
BLS147GSTSG	-----	SSTLEA	AVNRANNA	-----	GVNYPARYS	FST-----YGPE-----IEISAP											
BSEPRGTTSD	-----	SKILHA	AVNKAYEQ	-----	PVNYPAAYS	FST-----TGDE-----VEFSAP											
BSISPLCGPSD	-----	VPELEE	AVKNVAVKN	-----	ELSYPAAYN	FSN-----ANKE-----IDLVAR											
TVTHERGCTVG	-----	NSGLQA	AVNYAHNXX	-----	APNYPAYYS	FST-----YGSN-----VDVAAP											
DNEBPRCGGGG	-----	CSQNSQ	RMIDKTTNL	-----	SRTWPSSCN	FSN-----YGAR-----VHLAAP											
XCEXP	CGGGS	-----	CSTTHQ	AINGAVSR	-----	SGSLPANCA	YSN-----FGTG-----IDVSAP										
BSBPF	CGGSG	-----	LDEWYR	DMVNAWRAA	-----	SIANPANYP	FSL-----QGPSPYDEIKPEISAP										
EFCYLA	GSYKN	-----	MEIDDERFT	VEAFRKVVHYARKN	-----	EKKYPGGLE	YSN-----YGSN-----VSIYGP										
SEEP	IPGNYLI	(9)	RDDEKVDYDALQ	KAIHYAQKK	-----	DGIVHKKVKEIHKKR(5)	TSKKVYDSPANLN	FSN-----YGNH-----FIDLMTI									
SPSCPA	GNAAL	-----	AYANLP	DET	KKAFDYAKSK	-----	DSSFGGKTRLP	LAD	-----	HPDYGUVGT	PAAAD	-----	FSS	-----	WGILTADGNIKPDIAAP		
LLSK11	GSNSC	-----	NQTTLEDPE	LA	AVQNAHES	-----	SGTSGSATEGV	HKDYGLQDN	EHVGS	PGTSR	-----	FTS	-----	YGPVSNLSFKPDITAP			
SMEXSP	GIAPD	(43)	QPVPTGGHSA	MSTLLRAARH	-----	YNNYNI	PEAQKSL	-----	PYAFP	DVLN	-----	SST	-----	SCGQTAS	-----	YCVSAP	
AVPRCA	GPPOG	(10)	KQKVPLPDST	RLAHDYAI	HNKG	-----	GNESVD	-----	NOGYAS	YEK	-----	YSD	-----	FGTA	-----	VWCAPP	
HMPPC1	GPND	-----	GKTVEG	PGRLA	OKAFEYGVKQ	-----	GGRQGD	NCD	-----	CDGYTDSIY	-----	YAE	-----	KCSS	-----	TLATSY	
HSIPC2	GPTDN	-----	GKTVDG	PRDVT	LQAMADGVNKG	-----	CGSY	DDCN	-----	CDGYASSMH	-----	YDE	-----	SCSS	-----	TLASTF	
HSFURI	GPEDD	-----	GKTVDG	PARLA	EEAFFRGVSQ	-----	GGREHDS	CHN	-----	CDGYTNSIY	-----	YSE	-----	ACSS	-----	TLATTY	
DMFURI	GPDDD	-----	GKTVDG	PGCELA	SRAFI	EGTTKG	-----	GGREQD	CHN	-----	CDGYTHSIW	-----	YSE	-----	KCSS	-----	TLATTY
KLKEX1	GPSDD	-----	GKTHQA	PDTLV	KKAI	IKGVTEG	-----	GGHFGD	CHN	-----	FDCYTHSIF	-----	YSE	-----	SCSA	-----	VHVVTY
SCKEX2	GPADD	-----	GRHLQ	GPSDLV	KKALV	KGVTG	-----	GGTRGD	CHN	-----	YDGYTNSIY	-----	YSE	-----	CCSA	-----	VNAVTY
VAPROA	GGGQS	-----	VALDS	AVQSAVQS	-----	SNA	-----	DACN	-----	YSPARVA	-----	FSN	-----	WGSC	-----	VDVFAP	
TRT41A	GGGAS	-----	TALDTA	VMNAINA	-----	DNR	-----	DACF	-----	YSPARVT	-----	FSN	-----	YGR	-----	LDLFAP	
TAAQUA	GGGVS	-----	TALD	NAVXHSIAA	-----	DNA	-----	NACN	-----	YSPARVA	-----	FSH	-----	YGSC	-----	VDLFAP	
TAPROK	GGGYS	-----	SGVNS	AAARLQSS	-----	NNA	-----	DARN	-----	YSPASEP	-----	FSH	-----	YGSV	-----	LDIFGP	
TAPROR	GGGYS	-----	SSVNS	AAAHLLQSS	-----	NNA	-----	DARN	-----	YSPASES	-----	FSN	-----	YGSV	-----	LDIFAP	
TAPROT	GGPSS	-----	SAVNRA	AAEITSA	-----	EAT	-----	DASS	-----	SSPASEE	-----	YSN	-----	FGSV	-----	VDLLAP	
ACALPR	GGGYS	-----	SAFNNA	VNTAYSR	-----	DNQ	-----	HAAN	-----	YSPASAA	-----	FSH	-----	YGSV	-----	LDIFAP	
AOALPR	GGGYS	-----	KAFND	AVENAF	EQ	-----	ENS	-----	DAGQ	-----	TSPASAP	-----	FSN	-----	FGKV	-----	VDVFAP
SCPRB1	GGGKS	-----	PALDLA	VNAAVEV	-----	ENQ	-----	DACH	-----	TSPASAD	-----	FSN	-----	WGKC	-----	VDVFAP	
YLXPR2	GGPKS	-----	ASQDAL	HSRATQE	-----	DAV	-----	DACH	-----	DSPGNIGGWS	GGGSNYGTC	-----	-----	-----	-----	VDVFAP	

